

Attachment A

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Status and Purpose of the Proposed Contract with [REDACTED]
[REDACTED] for Analyses of Radar Signatures
From Orbiting Space Vehicles. (FY 66-[REDACTED])

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1. The stated purpose of the proposed contract with [REDACTED] is to develop new techniques and sources for estimating the size, shapes, and configurations of objects in space orbit. While good capability exists for the detection of such objects, and for obtaining accurate tracking data to compute position and trajectory information, little research has been done to develop the possibilities that exist for refining the size and basic shape of an object and appendages such as antenna or panels. Discussions throughout the Community have indicated that such research would probably be worthwhile and result in beneficial additions to other "sizing" data on spacecraft or other objects in orbit.

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2. In a meeting at Headquarters attended by [REDACTED] and FMSAC representatives on 12 November, it was determined that a proposal to FTD/USAF by [REDACTED] to study the above had not received favorable attention by FTD for reasons unknown by the contractor. There has been a keen interest shown by the USAF in the analysis of

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radar signatures and it is surmised that there is a lack of funds for contracting this effort at this time. FMSAC/DD/S&T will meet with FTD/USAF within the next week or two to further investigate the possibilities and status of this effort.

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Attachment B

OSA/DD/S&T Support to the CORONA Program

1. OSA/DD/S&T support to the CORONA Program encompasses:
 - a. The furnishing of EDP support from Headquarters;
 - b. The assignment of personnel directly to the Satellite Operations Center (SOC) in the Pentagon;
 - c. The manning of a CIA satellite center at Palo Alto, California; and
 - d. Contracting, security services, and administrative support.
2. Computer time is made available to OSA by OCS for pre-flight planning (ephemeris data) and actual in-flight data. The OSA 1004 Univac Processor is then used in conjunction with secure Data Links to transmit completely parity checked information into CORONA operations.
3. Contracting, security services, and administrative support include equipment procurement (cameras, payload equipment, material, etc.), escorting of mission take, contractor facility security inspections, equipment shipments from vendor to launch complex, travel processing, and financial recording and reporting.

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4. Personnel requirements - Twenty-eight personnel in OSA devote 20% to 100% of their time to the above tasks; their annual efforts on the CORONA Program total 15.6 man-years. Many other OSA personnel support CORONA on a periodic, ad hoc basis or as a small fraction of their total work.

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Attachment C

Participation by FMSAC, OSI, and OEL in Contractual Efforts at the [REDACTED]

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1. The Foreign Missile and Space Analysis Center, Office of ELINT, and Office of Scientific Intelligence have separate contractual arrangements with [REDACTED] for the analysis of electronic signals. These contracts provide for work which is quite diverse in scope, end product, and cost.

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2. Foreign Missile and Space Analysis Center -

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[REDACTED] has canvassed all appropriate missile intelligence activities and compiled a partial inventory of all information-bearing signals related to the Soviet missile and space program. This information has been used to initiate a Signal Notebook which is to be an authoritative compendium in the Intelligence Community for this family of electronic signals.

25X1A5a1 An electronic analysis position has been established by FMSAC in [REDACTED] to identify, demodulate, and analyze the new and unusual signals detected during Soviet missile and space events, and to perform more thorough analysis on signals which have been identified and heretofore only partially demodulated and analyzed. Results obtained from this new analysis position and by the signal experts at

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[REDACTED] will be included in the Signal Notebook mentioned

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It should be noted that this effort, funded by FMSAC, provides data for use by OSI, OEL, the DOD, and other contractors who may be performing missile intelligence analysis. [REDACTED]

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3. Office of Scientific Intelligence - Task Order #2 of the contract, funded by OSI, provides for a very small, closely directed effort in the AMM field aimed at the

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[REDACTED]
AMM test complex. [REDACTED]

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4. Office of ELINT - The results of studies of the signal environment for the new [REDACTED] will be large factors in the selection of a final location, the design parameters for equipment and operational procedures. The OEL contract with [REDACTED] provides analytical talents to perform fine-grain analysis and expert engineering back-up to these studies. [REDACTED]

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